

CIRM Funded Clinical Trials

## Clinical Investigation of a Humanized Anti-CD47 Antibody in Targeting Cancer Stem Cells in Hematologic Malignancies and Solid Tumors

**Disease Area:** Blood Cancer, Solid Tumors

**Investigator:** Irving Weissman

**Institution:** Stanford University

**CIRM Grant:** DR3-06965 (Closed)

**Award Value:** \$6,505,568

**Trial Sponsor:** Stanford University

**Trial Stage:** Phase 1

**Trial Status:** Recruiting

**Targeted Enrollment:** 96

**ClinicalTrials.gov ID:** NCT02216409



Irving Weissman

### Details:

A team at Stanford University is using a molecule known as an antibody to target cancer stem cells. This antibody can recognize and bind to CD47, a protein the cancer stem cells carry on their cell surface. The cancer cells use that protein to evade the component of our immune system that routinely destroys tumors. By disabling this protein with the CD47 targeting antibody, the team hopes to empower the body's own immune system to attack and destroy the cancer stem cells. The clinical trial testing this therapy has concluded and has led to another CIRM-funded trial by Forty-Seven, Inc.

### Goal:

Safety. Dose range finding. Determination of maximum tolerated dose.

### Updates:

Recruiting.

[Contact Trial Sponsor](#)

**Source URL:** <http://www.cirm.ca.gov/clinical-trial/clinical-investigation-humanized-anti-cd47-antibody-targeting-cancer-stem-cells>